

# AUTOMATION AND CONTROL THE EVOLUTION OF PNEUMAX

The story of **Pneumax**, a key player in industrial automation, is closely intertwined with the woodworking machinery industry. Over the years, the Bergamo-based company has emerged as a major supplier of automation components for this industry that represents an Italian excellence around the world.

An innovative solution offered by Pneumax is the new multi-serial module series "**Px**", designed to offer compact and flexible control and management electronics for pneumatic and electropneumatic

components, a single control unit that can manage the most popular communication protocols, including "Canopen", "Profibus", "Ethercat", "Ethernet/IP", "Profinet I/O", "CC-link IE Field Basic" and "IO-Link".

The "Px" series can be configured with I/O modules, both digital and analog, and in standalone version it can be connected to every solenoid valves battery by using Sub -D connector. *"The "Px" series represents the control concept offered by Pneumax, a single solution that can be used standalone or integrated with the entire range of valves in the new "Evo" versions (series "3000 Evo", series "Optyma Evo", series "2700 Evo")"*.

Similarly, Pneumax has continued to develop components and systems for applications in the woodworking machinery sector, expanding – for instance – the range of swing clamp cylinders. The new "**Rt**" series cylinders have been developed to meet the need to clamp a workpiece by means of a clamping arm which when released would unclamp rotate 90 degrees in order to allow unrestricted access to the workpiece; the stroke of the swing movement is 21mm. They are supplied in two bore sizes 40 and 50 in magnetic or non-magnetic versions.

*"The Pneumax DNA – according to the company – has always been characterized by an attitude to develop custom solutions, and in the woodworking machinery business we can find, for instance, custom-designed swing clamp cylinders that can move independently of each other; besides the "Rt" version, they also offer the possibility to stay completely outside the working area, **simplifying the movements** of the machining head, and they are ideal to work in combination with our series of reference stop cylinders". ■*

